

RIYAZ FAIZULLABHOY

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EDUCATION:

- 8/11 – **University of California, Berkeley '15** Berkeley, CA
- B.S. Electrical Engineering and Computer Science (EECS)
 - Overall GPA: 3.98, Major GPA: 4.00
 - EECS Honors Degree Program Member, emphasis in computational biology
 - Member and Officer of Eta Kappa Nu – EECS Honor Society
 - President: Fall 2014, Department Relations Officer: Spring 2014, Tutoring Officer: 2013

EXPERIENCE:

- 5/14 – 8/14 **LinkedIn – Software Engineering Intern** Mountain View, CA
- Working with the Higher Education team to roll out new features to the LinkedIn website
- 2/14 – 5/14 **Secure Computing Research for Users' Benefit (SCRUB) – Researcher** Berkeley, CA
- Developed a feature extraction analysis module using Spark on malware data collected by VirusTotal and McAfee in iPython, running in parallel on an Intel research cluster of over 45 cores
 - Classified and predicted malware with very high accuracy, performing a grid search to optimize hyperparameters of the scikit-learn linear support vector machine
- 8/13 – 5/14 **UC Berkeley EECS Department – Undergraduate Teaching Assistant** Berkeley, CA
- Organized, prepared, and lead multiple weekly hour-long discussion sections for machine structures (CS 61C Fall 2013) and operating systems (CS 162 Spring 2014). Held weekly laboratory sections and design reviews, as well as office hours to assist students with questions
 - Scored 4.7/5 on overall teaching effectiveness at the end of semester course survey
- 5/13 – 8/13 **Qualcomm – Software Engineering Intern** San Diego, CA
- Designed and implemented features for an Android application using the Android SDK and NDK to test all aspects of the newest Qualcomm Snapdragon chipsets. Features included audio playback, network diagnostic tests, graphics benchmark tests, and a Jetty server to interface with test devices
 - Awarded a Diamond QualStar award – the highest honor for excellent intern work
- 6/12 – 6/13 **Lab for Mathematical and Computational Biology – Researcher** Berkeley, CA
- Added tools to the eXpress DNA and RNA high-throughput sequencing tool to benefit user experience, wrote parsers for varying file formats and manipulated data using the PySam/Samtools API to standardize input amongst all users to minimize user error
 - Wrote detailed and organized documentation for the Python tools using Sphinx

SKILLS AND INTERESTS:

Proficient in: Python, Java, C, MATLAB, Hadoop, Spark

Experience with: Android SDK/NDK development, Git, Perforce, Ant

Interests: Computing in science, machine learning, big data, mobile devices, int'l travel